		MR	
	Application No.	Applicant(s)	
Nation of Allowskiller	10/682,379	TABOADA ET AL.	
Notice of Allowability	Examiner	Art Unit	_
	david shay	3735	
The MAILING DATE of this communication appeall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS	;
 This communication is responsive to the interview of Marc 	<u>h 20, 2007</u> .		
2. X The allowed claim(s) is/are <u>1-21,23-26 and 28-30</u> .			
3.	e been received. e been received in Application No cuments have been received in this of this communication to file a reply MENT of this application. hitted. Note the attached EXAMINER es reason(s) why the oath or declara st be submitted. son's Patent Drawing Review (PTO s Amendment / Comment or in the Comment or in the Comment of BIOLOGICAL MATERIAL resist of BIOLOGICAL materials and resist of BIOLOGICAL m	national stage application from the complying with the requirements 'S AMENDMENT or NOTICE OF ation is deficient. 948) attached Office action of a complying many in the front (not the back) of d). must be submitted. Note the	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	 5. ☐ Notice of Informal F 6. ☑ Interview Summary Paper No./Mail Da 7. ☑ Examiner's Amendr 	(PTO-413), te	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	9. 🗌 Other	ent of Reasons for Allowance	
		DAVID M. SHAY MARY EXAMINER GROUP 330	

Application/Control Number: 10/682,379

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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

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Authorization for this examiner's amendment was given in a telephone interview with Mr. Bruce Itchkawitz on March 20, 2007.

In the claims:

Claims 37-41, 44-46, and 50-66 have been cancelled

The following is an examiner's statement of reasons for allowance: The claims are allowable because one having ordinary skill in the art at the time of the invention would not have designed a device or employed a method to produce the claimed power densities at the claimed depth in the brain, due to the belief of those having ordinary skill in the art at the time of the invention that the transmission of light in brain tissue was about an order of magnitude smaller then determined by applicant's empirically determined transmission. As can be seen by the prior art articles to Pogue et al; Bevilacqua et al; and Firbank et al, while the actual absorption coefficient is rather small (.01/.02 mm⁻¹, p283, Description of Fig. 15; .01-.02 mm⁻¹, p4947, Table 1; and .005/.025 mm⁻¹, p72, table I, respectively) the scattering coefficient is much larger (1.0 mm⁻¹, p283, Description of Fig. 15; 1.0-.8 mm⁻¹, p4947, Table 1; and 6.0/2.5 mm⁻¹, p72, table I, respectively). These values (as they are exponents in the equation expressing the intensity ratio of initial to transmitted) when used to determine the initial power density would

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yield a value in the Kilowatt/cm² range at the cranial surface, which is well into the range that would produce ablation, to produce the claimed energy densities at a depth of 2 cm (20 mm).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

DAVID M. SHAY PRIMARY EXAMINER GROUP 320